

U.S. Application No. 10/529,915

Response dated _____

RECEIVED Sur Docket No: KAS-241
CENTRAL FAX CENTER**NOV 13 2007****Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A slide bearing assembly comprising at least a shaft and a bushing, said bushing being made of a porous sintered material having pores, wherein said bushing is impregnated with a lubricant containing ~~2.0~~ greater than 5.0 wt% and up to 30 wt% of solid lubricating fine particles made of at least one selected from among MoS₂, WS₂, and hexagonal BN, and wherein said shaft and said bushing are used at surface pressure not lower than 6 Kgf/mm² and sliding speed in the range of 2 to 5 cm/sec, and wherein viscosity of the lubricant containing the solid lubricating fine particles is in the range of 56 to 1500 cSt at ~~(25.5°C)~~ 25.5°C.

2. – 3. (canceled)

4. (Previously Presented) A slide bearing assembly according to Claim 1, wherein said bushing is made of a composite sintered alloy with a porosity of 5 to 30 vol%, said pores are communicated with one another, and said bushing is subjected to surface modification treatment using at least one selected from among carburizing, nitriding, and sulphurize-nitriding.

5. (Previously Presented) A slide bearing assembly according to Claim 1, wherein the solid lubricating fine particles have sizes to prevent clogging of the pores of said bushing.

6. (Previously Presented) A slide bearing assembly according to Claim 1, wherein said shaft is subjected to surface modification treatment by performing at least one kind of treatment selected from among carburizing, induction hardening, laser hardening and nitriding, and then chemical conversion or sulfurizing treatment.

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7. (Currently Amended) A slide bearing made of a porous sintered material having pores and impregnated with a lubricant containing ~~2.0-greater than 5.0 wt%~~ and up to 30 wt% of solid lubricating fine particles made of at least one selected from among MoS₂, WS₂, and hexagonal BN, said bearing being used at surface pressure not lower than 6 Kgf/mm² and sliding speed in the range of 2 to 5 cm/sec, and wherein viscosity of the lubricant containing the solid lubricating fine particles is in the range of 56 cSt to 1500 cSt ~~(at 25.5°C)~~ 25.5°C.

8. – 9. (Canceled)

10. (Previously Presented) A slide bearing according to Claim 7, wherein said bearing is made of a composite sintered alloy with a porosity of 5 to 30 vol%, said pores are communicated with one another, and said bearing is subjected to surface modification treatment using at least one selected from among carburizing, nitriding, and sulphurize-nitriding.

11. (Previously Presented) A slide bearing according to Claim 7, wherein the solid lubricating fine particles have sizes to prevent clogging of the pores.

12. (Previously Presented) A slide bearing according to Claim 7, wherein said bearing is used in combination with a shaft subjected to surface modification treatment by performing at least one kind of treatment selected from among carburizing, induction hardening, laser hardening and nitriding, and then chemical conversion or sulfurizing treatment.

13. (Previously Presented) A slide bearing according to Claim 7, wherein said bearing is used as a bearing for a front component of an excavator.

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14. (Previously Presented) A slide bearing according to Claim 7, wherein said bearing is used as a bearing for an arm of a crane.

15. (New) A slide bearing according to claim 7 wherein said lubricant contains 10 to 30 wt% of solid lubricating fine particles.

16. (New) A slide bearing assembly according to claim 1 wherein said lubricant contains 10 to 30 wt% of solid lubricating fine particles.